

Name: _____ TP: _____

Failure to show all work (mark up all diagrams and write out needed formulas) and/or write in complete sentences will result in LaSalle.

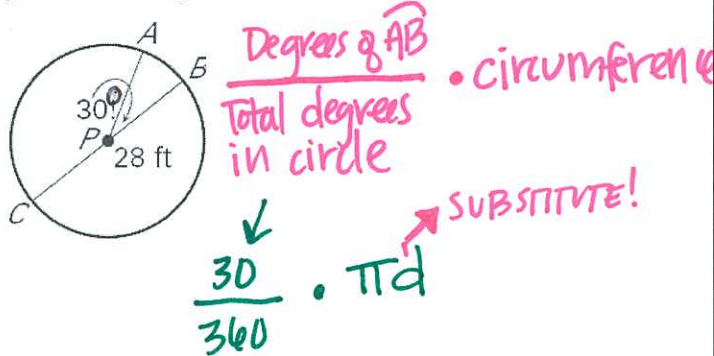
1) The circumference of a circle is 30 inches. What is the radius?

Formula: $C = \underline{\hspace{1cm}}$ $C = \underline{\hspace{1cm}}$ in.
 SUBSTITUTE & SOLVE FOR R.

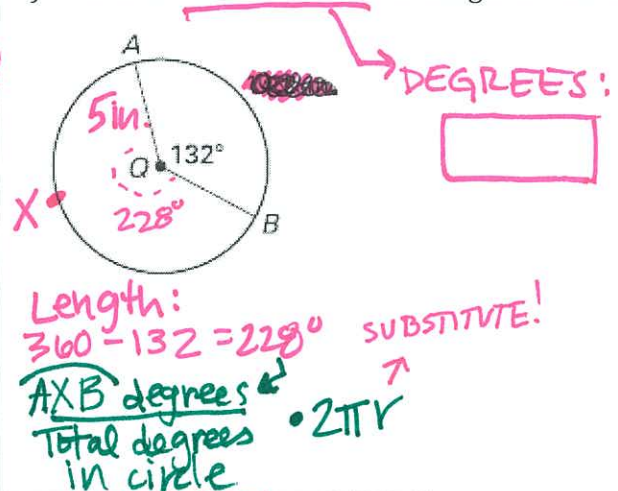
2) The diameter of a circle is 10 cm. What is the circumference?

$d = \underline{\hspace{1cm}}$ cm
 Formula: $C = \underline{\hspace{1cm}}$
 (USE circumference formula that has diameter in it!)
 SUBSTITUTE & solve for d.

3) Find the length of arc AB.

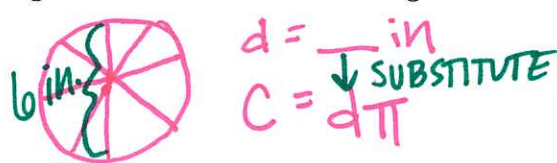


4) Find the measurement and length of the arc AXB.



*Round to nearest hundredth

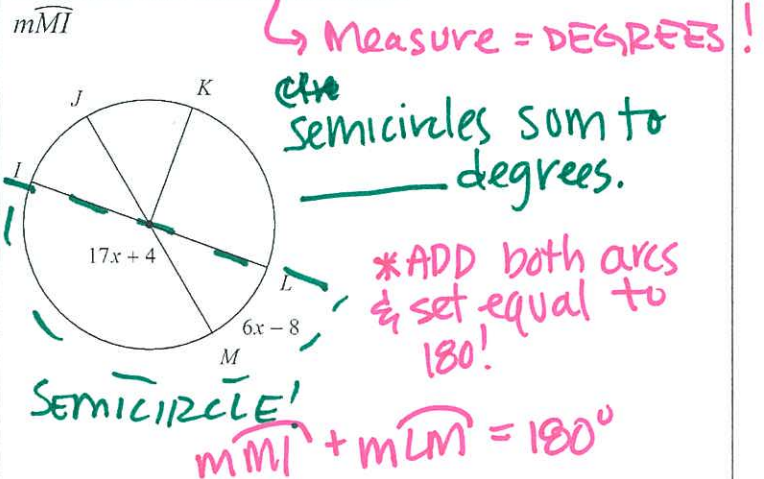
5) A watermelon is cut into a series of round pieces. One piece measures 6 inches in diameter. When this round piece is cut into slices at equal angles through the center of the circle, there are 9 slices. What is the approximate length of the rind on the outer edge of one slice?



*The circumference must be split into _____ pieces of watermelon, so ... +, -, or ÷ by _____!
 circle which one

ANSWER:

7) Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.



GRASP REVIEW!

(Mind the GAP with complete sentences!)

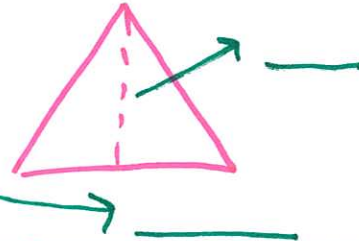
The base of a triangle is 2 times the height. If the area of the triangle is 72 cm^2 , find the height and base.

G

Complete sentences

R

- $B = 2 \cdot \underline{\hspace{2cm}}$
- $A = \underline{\hspace{2cm}}$ (write formula)
- $A = \underline{\hspace{2cm}} \text{ cm}^2$



A

(HINT: substitute B & H into area formula. Remember $H \cdot H = H^2$ & the opposite of H^2 is $\sqrt{H^2}$. Solve for H. Then substitute & solve for B.)

Complete sentences

S

P

PROVE it's right by plugging your B & H values into the Area of triangle formula & seeing if it equals 72 cm^2 .

STAY READY.